

CLAIMS

1. Screen panel for converting X-rays into light photons, whereby it comprises a rigid foam plate (2), a
5 first layer (1) of composite material located on one face of the rigid foam plate (2) and a second layer (3) of composite material located on the other face of the rigid foam plate, parallel to the said first face.

10 2. Panel according to claim 1, whereby it comprises a framework (4) located on the circumference of the rigid foam plate (2).

15 3. Panel according to claim 2, whereby the framework (4) is made out of a matrix of glass or carbon fibres set in resin.

20 4. Panel according to any of claims 1 to 3, whereby the rigid foam is a high density foam and the composite material is made out of a matrix of glass or carbon fibres set in resin.

25 5. Screen for converting X-rays into light photons comprising a panel and an active layer for the conversion of X-rays into light photons located on one face of the panel, whereby the panel is a panel according to any of claims 1 to 4.

6. Conversion screen according to claim 5, whereby it comprises a frame (5) located around the face of the panel on which is located the active layer, so that the active layer is located within the interior of the frame 5 (5).

7. Conversion screen according to claim 6, whereby it comprises a layer of tungsten located between the said face of the panel and the active layer.

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8. Radiological device comprising a screen for converting X-rays into light photons, whereby the conversion screen is a screen according to any of claims 5 to 7.

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